

**Direct current electronic drivers with DIP-SWITCH**  
**Alimentatori elettronici in corrente continua con DIP-SWITCH**

Made in Italy

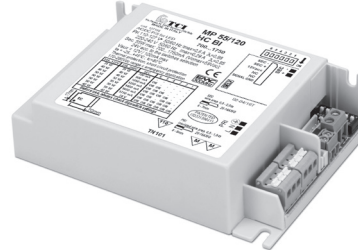
constant CURRENT constant VOLTAGE

UL-CLASS2 CSA-US (3) 110 M M EL SELV 60V

**RIPPLE FREE**



MP 55/120 HC/2



MP 55/120 HC BI

2.1

Multipower DIP-SWITCH drivers - Compact case  
 Alimentatori multipotenza con DIP-SWITCH - Formato compatto

2kV DIFF. 4kV COMM. ACTIVE PFC DIP-SWITCH 12V AUX. 100 mA SAFETY PROTECTIONS

**Rated Voltage**  
**Tensione Nominale**

110 ÷ 127 V <sup>(2)(3)</sup>  
 220 ÷ 240 V

**Frequency**  
**Frequenza**

50/60 Hz

**AC Operation range**  
**Tensione di utilizzo AC**

99 ÷ 264 V

**DC Operation range**  
**Tensione di utilizzo DC**

(see page info15)  
 170 ÷ 280 V

**Power**  
**Potenza**

1 ÷ 55 W

**Output current ripple**  
 $\leq 3\%$  <sup>(1)</sup>

**Standards compliance**

CSA-C22.2 n° 223 <sup>(2)(3)</sup>  
 CSA-C22.2 n° 250.13-14 <sup>(2)(3)</sup>  
 EN 50172 (VDE 0108)  
 EN 55015  
 EN 60598-2-22  
 EN 61000-3-2  
 EN 61347-1  
 EN 61347-2-13  
 EN 61547  
 EN 62384  
 UL 1310 <sup>(2)(3)</sup>  
 UL 8750 <sup>(2)(3)</sup>  
 VDE 0710-T14

**Max. pcs for CB B16A**  
 (see page info17)  
 30 pcs

**In rush current**  
 10A 200 $\mu$ sec

Article Articolo	Code Codice	P out W	V out DC <sup>(1)</sup>	I out DC	U out V	ta °C	tc °C	$\lambda$ max. Power Factor	$\eta$ max. Efficiency <sup>(1)</sup>
<b>MP 55/120 HC/2</b> <sup>(4)</sup>	127154	<b>Constant current output - Uscita in corrente costante</b>				59	-25...+40 <sup>(4)</sup> -25...+45	0,98	90
<b>MP 55/120 HC BI</b> <sup>(3)</sup>	127156	31 (31 <sup>(2)</sup> )	2...44	700 mA cost.					
		40 (40 <sup>(2)</sup> )	2...44	900 mA cost.					
		46 (46 <sup>(2)</sup> )	2...44	1,05 A cost.					
		52 (50 <sup>(2)</sup> )	2...44	1,2 A cost.					
		55 (50 <sup>(2)</sup> )	2...39	1,4 A cost.					
		55 (50 <sup>(2)</sup> )	2...34	1,6 A cost.					
		<b>Constant voltage output - Uscita in tensione costante</b>							
		42 (42 <sup>(2)</sup> )	24 cost.	1,75 A cost.	-				

<sup>(1)</sup> Referred to  $V_{in} = 230$  V, 100% load - Riferito a  $V_{in} = 230$  V, carico 100%

<sup>(4)</sup> 110-127Vac :  $T_{a_{max}} = 40^{\circ}C$   
 220-240Vac :  $T_{a_{max}} = 45^{\circ}C$

Accessories not supplied - Accessori non a corredo		
Article - Articolo	L (length)	Code - Codice
6-pin cable for LED and AUX Cavo 6 poli per LED e AUX	50 cm / 19,68"	425720017

**Features**

- Multipower driver supplied with dip-switch for the selection of the output current.
- IP20 independent driver, for indoor use (MP 55 /2).
- Class I protection against electric shock for direct or indirect contact (MP 55 /2).
- Driver for built-in use (MP 55 BI).
- It can be used for lighting equipment in protection class I (MP 55 BI).
- Active Power Factor Corrector.
- Auxiliary output 12 V max. 100 mA.
- Current regulation  $\pm 5\%$  including temperature variations.
- Input and output terminal blocks on the same side (wire cross-section up to 1,5 - 2,5 mm<sup>2</sup> / AWG15 - AWG13).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 3 mm - max. 8 mm (MP 55 /2).
- Driver can be secured with slot for screws.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

**Caratteristiche**

- Alimentatore multipotenza fornito di dip-switch per la selezione della corrente in uscita.
- Alimentatore indipendente IP20, per uso interno (MP 55 /2).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti (MP 55 /2).
- Alimentatore da incorporare (MP 55 BI).
- Utilizzabile per apparecchi di illuminazione in classe di protezione I (MP 55 BI).
- PFC attivo.
- Uscita ausiliare 12 V max. 100 mA.
- Corrente regolata  $\pm 5\%$  incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 1,5 - 2,5 mm<sup>2</sup> / AWG15 - AWG13).
- Serracavo su primario e secondario per cavi di diametro: min. 3 mm - max. 8 mm (MP 55 /2).
- Fissaggio dell'alimentatore tramite asole per viti.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

**7 YEARS WARRANTY**  
 3% FAILURE RATE

**10 YEARS WARRANTY**  
 5% FAILURE RATE

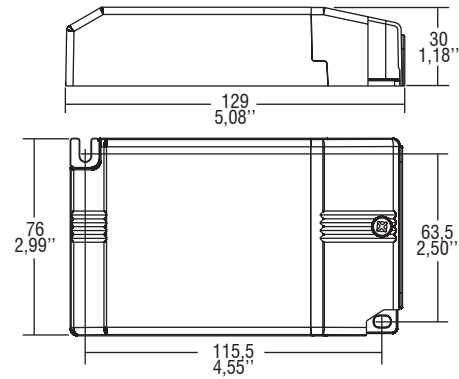
PRODUCER'S LIABILITY  
 TCI

10 YEARS WARRANTY FOR LED LIGHTS  
 ACCORDING TO THE EUROPEAN CONDITIONS  
 2014

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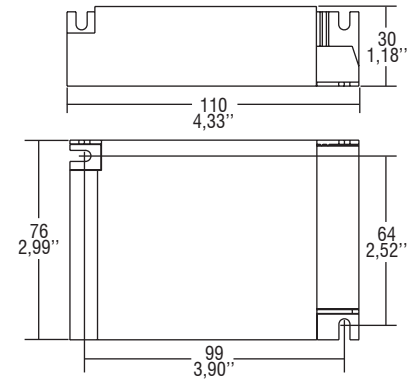
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**IP 20** **SCREW FIXING** Ø90 3.54" Weight - Peso gr. 236 / 8,3 oz.  
 Pcs - Pezzi 35

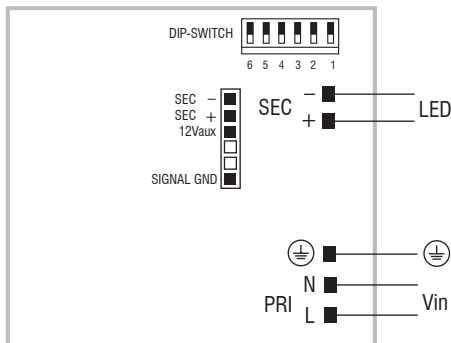


**BUILT-IN** **SCREW FIXING** Weight - Peso gr. 226 / 8 oz.  
 Pcs - Pezzi 40

Compatible with ZHAGA (AM2)



**Wiring diagram - Schema di collegamento** (Max. LED distance on page info8 - Massima distanza LED a pagina info8)



**2.1**

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